

Patent Abstracts of Japan

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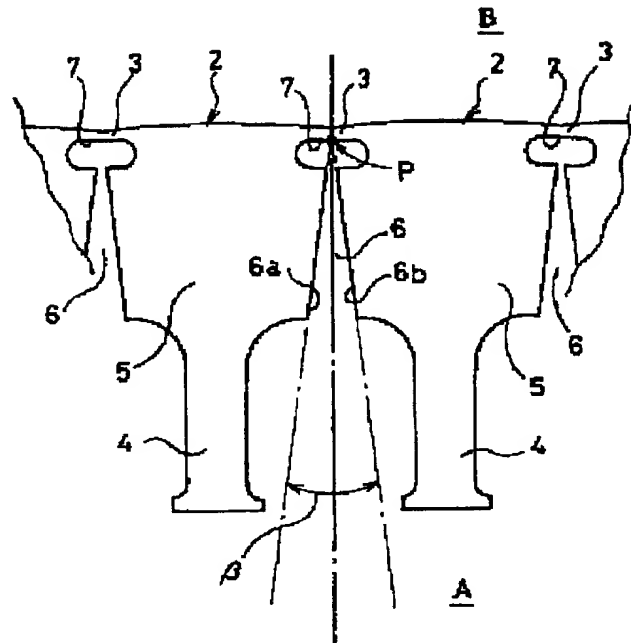
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TITLE : MATERIAL OF CORE OF ROTARY
MACHINE AND MANUFACTURE OF
THE CORE



ABSTRACT : PROBLEM TO BE SOLVED: To provide a core material of a rotary machine which uses a magnetic steel plate of a high yield as a material for processing and which can be processed with a little processing force and which requires a relatively few assembly processes for a core and which realizes a good performance of a magnetic circuit and also provide a method for manufacturing a core.

SOLUTION: Teeth 4 is formed at specified intervals on one side of a belt-like magnetic steel plate. In part of the magnetic steel plate which are located between each two adjacent teeth 4, tapered cutouts 6 are formed from one side where the teeth are formed toward the other side. Where the number of the teeth 4 is α , an opening angle θ of each cutout 6 is set to $360/\alpha$. Because of the existence of the cutouts 6, only a little force is required for processing. Although there are the cutouts 6, a good magnetic circuit is formed since two sides 6a, 6b which constitute the cutout 6 are brought into contact with each other when the plate is actually used.

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